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5 FEB 1963

MEMORANDUM FOR: Intelligence Staff, OSA

ATTENTION :

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SUBJECT : Survival Equipment

1. There are three new developments in E & E and survival equipment which may be of some value to both the IDEALIST and OXCART Programs. Please contact [redacted] and evaluate the following items with a view toward procuring them as soon as possible if they prove to be of value.

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2. The first item is a Canadian-developed locator beacon called a tumbling air foil. It is designed to be attached to the outside of an aircraft and to eject itself when high "G" or deceleration forces are encountered, such as those caused by mid-air collision or crash. The device falls slowly with a "falling leaf" movement so that it is not damaged by the fall. It lands in an upright position, floats on water and turns itself on automatically. It then transmits a beam which can be picked up by standard homing equipment. Please determine on what frequency this unit operates, how long it will operate and at what power. This should serve to precisely locate any incident which may happen to a U-2. Of course, it must be entirely passive unless triggered by some incident.

3. The second item is the [redacted] personnel locator beacon which is designed to be carried by air crew members and is intended to locate the pilot. This item has been approved for use [redacted] and is expected to be available through normal supply channels in FY 1964. The specification number is [redacted] This is probably the very small unit which is installed in a back-pack parachute and transmits automatically when the parachute is open.

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4. The third item is the 35 MM film strip viewer manufactured by Eastman Kodak and which [redacted] has demonstrated for the IDEALIST Branch. The only thing that

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remained to be done on this unit was to install a special lens in the eyepiece so that pilots could use it when wearing a face plate as well as on the ground.

5. Expeditionary action on these items will be very much appreciated.



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Chief, Operations Division, OSA

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